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> [Vetoo 1000W Black Power Supply ATX 3.1 Ready Dual PCIe 5.1 User Manual](#)

## Vetoo 1000G5

# Vetoo 1000W Black Power Supply ATX 3.1 Ready Dual PCIe 5.1 User Manual

Model: 1000G5

## 1. INTRODUCTION

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Thank you for choosing the Vetoo 1000W Black Power Supply. This power supply unit (PSU) is designed to provide stable and efficient power to your personal computer, especially for high-performance gaming and workstation builds. It features 80 Plus Gold certification for energy efficiency, full modular cabling for easy management, and is compliant with the latest ATX 3.1 and PCIe 5.1 standards. This manual provides essential information for safe installation, operation, and maintenance of your PSU.

## 2. SAFETY INFORMATION

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Please read and understand all safety warnings before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **High Voltage:** The PSU contains high voltage components. Do not open the PSU casing. There are no user-serviceable parts inside.
- **Professional Installation:** Installation should be performed by qualified personnel. Incorrect installation can damage your system or the PSU.
- **Power Disconnection:** Always disconnect the AC power cord from the wall outlet before installing, removing, or cleaning the PSU or any other components in your computer.
- **Grounding:** Ensure the PSU is properly grounded. Use only the provided power cord.
- **Environment:** Operate the PSU in a dry, well-ventilated environment. Avoid exposure to moisture, extreme temperatures, or direct sunlight.
- **Ventilation:** Do not block the ventilation openings of the PSU. Ensure adequate airflow around the unit.
- **Cable Management:** Ensure all cables are securely connected and routed to prevent interference with cooling fans or other components.

## 3. PACKAGE CONTENTS

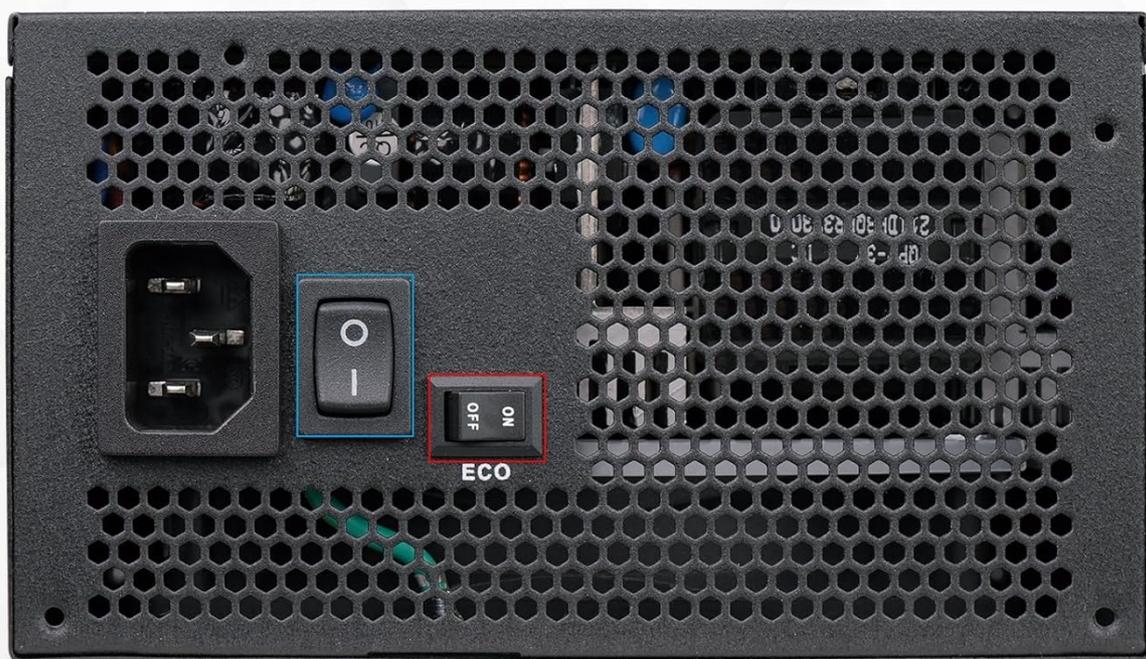
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Verify that all items are present in your package:

- Vetoo 1000W Black Power Supply Unit
- Modular Cable Set (including 24-pin ATX, 8-pin CPU, PCIe 5.1 12+4-pin, PCIe 6+2-pin, SATA, Molex, FDD cables)

- AC Power Cord
- Mounting Screws
- Cable Ties/Velcro Straps
- User Manual (this document)

# ECO-FRIENDLY



**Power Switch**



**POWER ON**

**POWER OFF**

**ECO Mode Switch**

NOTE: FOR FAN ONLY



**OFF ON**

**OFF ON**

**ECO ON**

The fan will stop spinning unless it is above 50% load

**ECO OFF**

The fan will spinning continuously

Image: Vetroo 1000W Black Power Supply with its full set of modular cables.

# FULL MODULAR

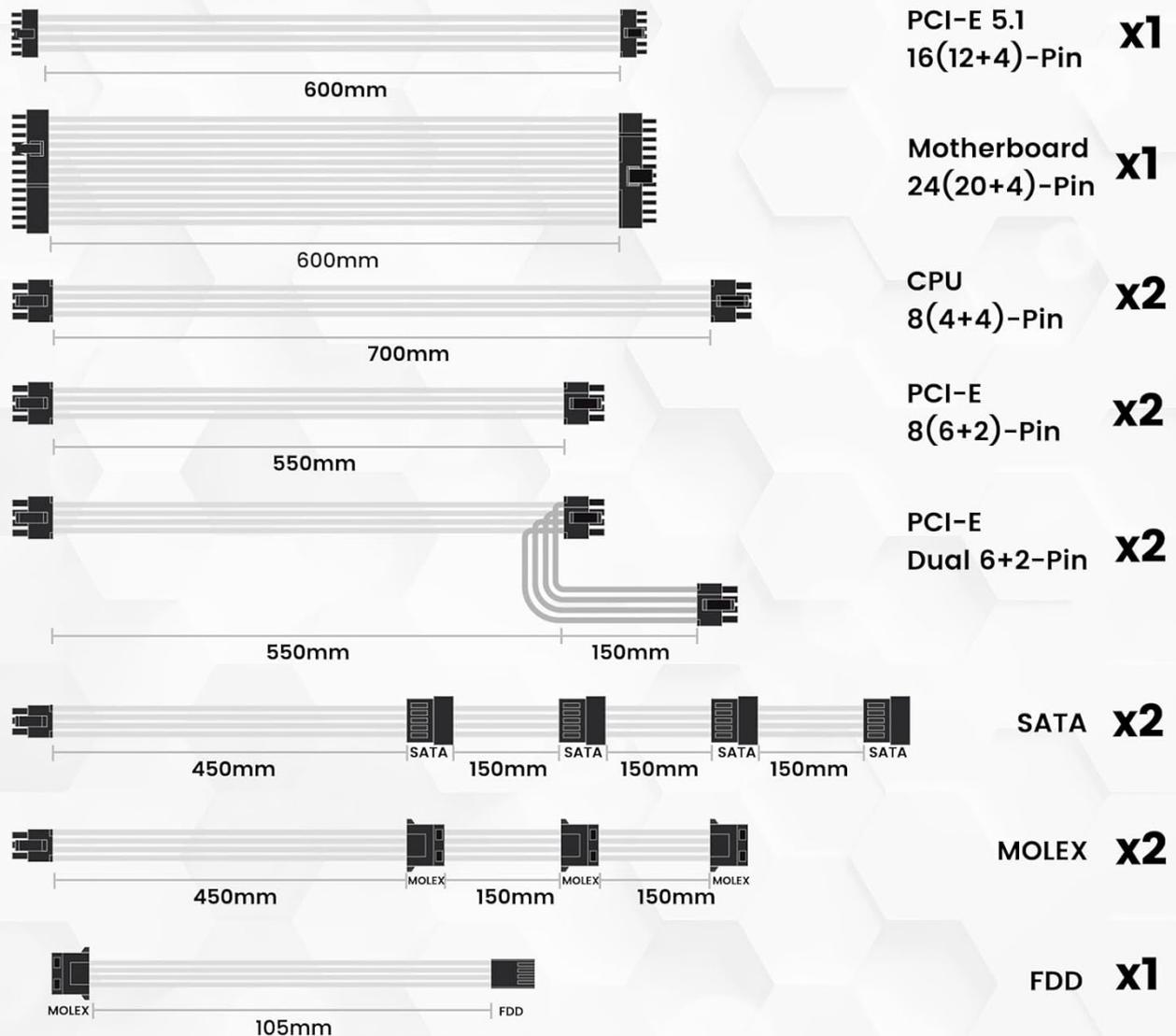


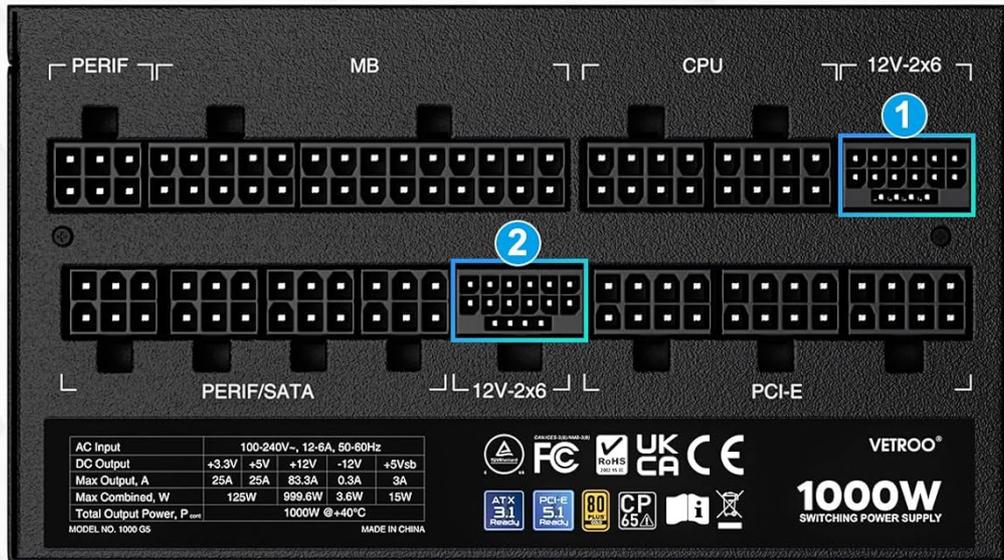
Image: Detailed diagram illustrating the types and lengths of all modular cables provided.

## 4. PRODUCT FEATURES

- **80 Plus Gold Certified:** Ensures high energy efficiency, reducing power consumption and heat generation.
- **Fully Compliant with ATX 3.1 Specifications:** Designed to meet the latest power delivery standards for modern PC components.
- **PCIe Gen 5.1 Ready:** Equipped with dedicated 12+4-pin connectors for the latest PCIe 5.1 graphics cards, offering up to 600W power delivery. Also backwards compatible with PCIe 4.0 and 3.0.
- **Premium 105° C Capacitors:** Utilizes high-quality Japanese capacitors for enhanced stability, reliability, and extended lifespan.
- **Full Modular Design:** Allows users to connect only the necessary cables, improving airflow and simplifying cable management within the PC case.
- **Eco Mode with 120mm FDB Fan:** Features a fluid dynamic bearing (FDB) fan that operates silently under low loads, with an Eco Mode switch to stop the fan entirely when power consumption is below 50%.
- **Compact Size:** Designed to fit comfortably in various PC chassis types.
- **Comprehensive Protection:** Includes Over Voltage Protection (OVP), Over Current Protection (OCP), Over Power

Protection (OPP), Short Circuit Protection (SCP), Under Voltage Protection (UVP), and Over Temperature Protection (OTP).

# DUAL PCIE5.1



High-quality PCIe 5.1 special connection cable

## MAX. POWER 600W

Support NVIDIA RTX 5090 D / 5080 / 5070 Ti / 5070 / 4090 / 4080 / 4070Ti

Image: Front view of the Vetroo 1000W Black Power Supply, showcasing its design.

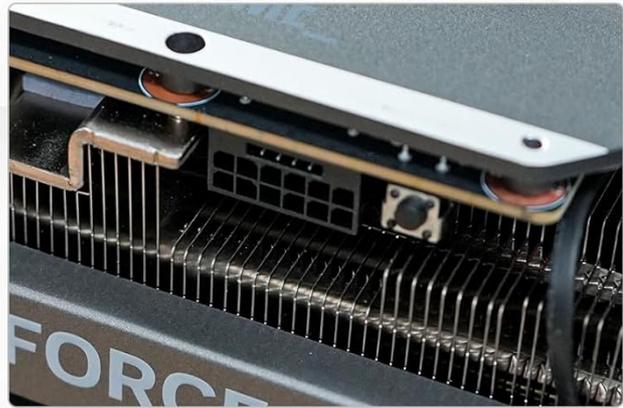
# GPU SUPPORT FOR ALL

## Support 50 Series GPU

PCI-E 5.1 16(12+4)Pin Socket

### PCI-E 5.1 x2

Support: 5090/5080/5070Ti/5070/  
4090/4080/4070Ti



PCI-E 8(6+2)Pin Socket

### PCI-E x3

Support 8pin graphics card



Image: Illustration of GPU compatibility and power delivery capabilities.

## 5. SPECIFICATIONS

Feature	Detail
Model Name	1000G5
Output Wattage	1000 Watts
Form Factor	ATX
Power Supply Design	Full Modular
Efficiency Certification	80 Plus Gold
ATX Standard	ATX 3.1 Ready
PCIe Standard	PCIe 5.1 Ready (Dual)

Feature	Detail
Cooling Method	Air (120mm FDB Fan)
Product Dimensions (L x W x H)	5.9 x 5.5 x 3.4 inches
Item Weight	5.83 pounds
Compatible Devices	Personal Computer
Connector Type	ATX & PCIE

# SMALL SIZE HIGH PERFORMANCE

The improved efficiency and voltage regulation minimizes heat, allowing it to be the smaller size ATX Gold-Certified PSU in the market.



Image: Physical dimensions of the Vetroo 1000W Power Supply.

## 6. SETUP AND INSTALLATION

Follow these steps to install your Vetroo 1000W Power Supply:

1. **Prepare Your System:** Ensure your computer is completely powered off and unplugged from the wall outlet. Open your PC case to access the PSU mounting area.

2. **Remove Old PSU (if applicable):** Disconnect all cables from your old power supply and remove it from the chassis.
3. **Mount the New PSU:** Carefully slide the Vetroo 1000W PSU into the designated power supply bay in your PC case. Secure it with the provided mounting screws.
4. **Connect Modular Cables:** Identify the necessary cables for your motherboard, CPU, graphics card(s), and storage devices. Connect these cables to the corresponding ports on the PSU first, then route them to your components.
  - **Motherboard:** Connect the 24-pin ATX cable to your motherboard.
  - **CPU:** Connect the 8-pin (or 4+4-pin) CPU power cable(s) to your motherboard.
  - **Graphics Card(s):** For modern GPUs, use the PCIe 5.1 12+4-pin cable. For older or additional GPUs, use the PCIe 6+2-pin cables.
  - **Storage/Peripherals:** Connect SATA power cables to SSDs/HDDs and Molex cables for other peripherals as needed.
5. **Cable Management:** Use the included cable ties or Velcro straps to organize cables, ensuring optimal airflow and a tidy build.
6. **Final Connections:** Close your PC case. Connect the AC power cord to the PSU and then to a wall outlet or surge protector.

# BETTER PERFORMANCE



**3X** Graphics card excursion ⚡

**2X** Total power excursion ⚡

Image: Close-up view of the modular cable ports on the PSU for easy identification.

Video: Official Vetroo Power Supply Installation Guide. This video demonstrates the step-by-step process of connecting modular cables and installing the PSU into a PC chassis.

## 7. OPERATING INSTRUCTIONS

- **Power On/Off:** After all connections are secure, flip the main power switch on the back of the PSU to the 'ON' position. Your computer can now be powered on via its front panel button. To power off, shut down your computer normally, then flip the PSU switch to 'OFF' for complete power disconnection.
- **Eco Mode:** The Vetroo 1000W PSU features an Eco Mode switch on the rear panel.
  - **Eco Mode ON:** When the Eco Mode switch is in the 'ON' position, the PSU fan will remain off under low to moderate loads (typically below 50% load) for silent operation. The fan will automatically activate when the load increases or internal temperature rises.
  - **Eco Mode OFF:** When the Eco Mode switch is in the 'OFF' position, the PSU fan will spin continuously regardless of the load, providing constant cooling.

# GOLD PERFORMANCE



Image: Rear view of the PSU, highlighting the main power switch and the Eco Mode toggle switch.

## 8. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your PSU:

- **Dust Cleaning:** Periodically clean the PSU fan and ventilation grilles to prevent dust buildup, which can hinder cooling performance. Use compressed air to gently blow dust away. Always disconnect power before cleaning.
- **Cable Inspection:** Regularly check all modular cable connections to ensure they are secure and free from damage.
- **Environmental Conditions:** Maintain a clean, dry, and well-ventilated environment for your PC to prevent excessive heat and moisture exposure to the PSU.

## 9. TROUBLESHOOTING

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If you encounter issues with your Vetroo 1000W Power Supply, try the following steps:

- **No Power:**
  - Ensure the AC power cord is securely plugged into both the PSU and the wall outlet.
  - Verify the main power switch on the PSU is in the 'ON' position.
  - Check all modular cable connections, especially the 24-pin ATX and 8-pin CPU cables, to ensure they are fully seated.
  - Test the wall outlet with another device to confirm it has power.
- **System Instability/Random Shutdowns:**
  - Ensure your PSU wattage is sufficient for all your components, especially high-power GPUs.
  - Check for proper ventilation within your PC case to prevent overheating.
  - Verify that all PCIe power cables to your graphics card(s) are correctly connected.
  - If Eco Mode is enabled, try disabling it to see if continuous fan operation resolves the issue.
- **Unusual Noises:**
  - If you hear a fan noise, ensure the PSU fan is not obstructed by cables or dust.
  - If a 'coil whine' noise is present, it is often harmless but can sometimes indicate a component under stress. Ensure your system is not drawing excessive power.

If problems persist after performing these checks, please contact Vetroo customer support for further assistance.

## 10. WARRANTY AND SUPPORT

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The Vetroo 1000W Black Power Supply comes with a **10-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover:

- Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes.
- Damage caused by operating the product outside the permitted or intended uses described by Vetroo.
- Damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Vetroo.
- Products or parts that have been modified to alter functionality or capability without the written permission of Vetroo.

For warranty claims or technical support, please visit the official Vetroo website or contact their customer service department with your product model and proof of purchase.

